

Univolt™ Plus

Hydrocarbon Fluid

General

Specification Region ▪ North America

Properties	Minimum	Maximum	Unit	Test Method
Aniline Point	63	--	°C	ASTM D611
Appearance	Bright & Clear	--		ASTM D1524
Color, ASTM	--	0.5		ASTM D1500
Copper Strip Corrosion	Non-corrosive	--		ASTM D1275
Dielectric Breakdown Voltage				ASTM D1816
60 Hz, VDE Electrode, 1 mm	20	--	kV	
60 Hz, VDE Electrode, 2 mm	35	--	kV	
Dielectric Breakdown Voltage, Impulse Conditions	145	--	kV	ASTM D3300
Flash Point	145	--	°C	ASTM D92
Furanic Compounds ¹	--	25	µg/l	ASTM D5837
Gassing Tendency	--	-10	µl/min	ASTM D2300
Inhibitor	0.15	0.30	wt%	ASTM D2668
Interfacial Tension	40	--	mN/m	ASTM D971
Kinematic Viscosity				ASTM D445
0°C	--	60.0	cSt	
40°C	--	12.0	cSt	
100°C	--	3.0	cSt	
Neutralization Number	--	0.03	mg KOH/g	ASTM D974
Oxidation Stability	350	--	min	ASTM D2112
Oxidation Stability, Sludge				ASTM D2440
72 hr	--	0.1	wt%	
164 hr	--	0.2	wt%	
Oxidation Stability, TAN				ASTM D2440
72 hr	--	0.3	mg KOH/g	
164 hr	--	0.4	mg KOH/g	
Polychlorinated Biphenyls ²	--	None Detected	wtppm	ASTM D4059
Pour Point ³	--	-40	°C	ASTM D5950
Power Factor				ASTM D924
25°C	--	0.050	%	
100°C	--	0.300	%	
Specific Gravity (15/15°C)	--	0.91		ASTM D4052
Water Content	--	35	wtppm	ASTM D1533

Notes

- Univolt™ Plus meets the requirements of ASTM D3487-16 as a Type II Mineral Oil.
- ExxonMobil's sampling and testing procedures in effect at the time of production will be used for certification testing. Results may be based on tank certification, manufacturing data, periodic testing, and/or most recent product restock. ExxonMobil reserves the right to use other equivalent test methods in certifying this product.
- The values indicated in this document may deviate from the test method requirements by the number of significant figures shown.

¹ Specification Limit is for each species measured

² <2ppmw Detection Threshold

³ 1°C Interval Method

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